Changes on CRAN
2019-01-01 to 2019-08-31

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In the past 8 months, 1524 new packages were added to the CRAN package repository. 71 packages were unarchived and 302 were archived. The following shows the growth of the number of active packages in the CRAN package repository:

On 2019-08-31, the number of active packages was around 14882.

Changes in the CRAN Repository Policy

The Policy now says the following:

- Packages should not attempt to disable compiler diagnostics, nor to remove other diagnostic information such as symbols in shared objects.

CRAN package submissions

During the first 6 months of 2019 (January to June), CRAN received 13217 package submissions. For these, 22412 actions took place of which 14856 (66%) were auto processed actions and 7556 (34%) manual actions.

Minus some special cases, a summary of the auto-processed and manually triggered actions follows:

<table>
<thead>
<tr>
<th></th>
<th>archive</th>
<th>inspect</th>
<th>newbies</th>
<th>pending</th>
<th>publish</th>
<th>recheck</th>
<th>waiting</th>
</tr>
</thead>
<tbody>
<tr>
<td>auto</td>
<td>3300</td>
<td>2419</td>
<td>3130</td>
<td>32</td>
<td>3894</td>
<td>1202</td>
<td>879</td>
</tr>
<tr>
<td>manual</td>
<td>3198</td>
<td>14</td>
<td>428</td>
<td>76</td>
<td>2728</td>
<td>642</td>
<td>270</td>
</tr>
</tbody>
</table>

New categories in the table above are newbies (a specific queue for the manual inspection of first time CRAN submissions) and waiting (packages for which the CRAN team waits for an answer from the maintainer).

These include the final decisions for the submissions which were
where we only count those as *auto* processed whose publication or rejection happened automatically in all steps.

The CRAN team has grown. While Swetlana Herbrandt is very active in processing the *newbies* queue voluntarily, the new team members Martina Schmirl and Matthias Sterrer joined and processed a lot of packages during the first half of the year. Recently Matthias has left and Jelena Saf joined the team. Thanks a lot!

**CRAN mirror security**

Currently, there are 93 official CRAN mirrors, 63 of which provide both secure downloads via ‘https’ and use secure mirroring from the CRAN master (via rsync through ssh tunnels). Since the R 3.4.0 release, `chooseCRANmirror()` offers these mirrors in preference to the others which are not fully secured (yet).

**New CRAN task views**


(* = core package)

**New packages in CRAN task views**

*Bayesian* BNSP, *EntropyMCMC*, *pcFactorStan*, *plotMCMC*, *ssMousetrack*.


*Databases* RODBC, *ora*.

*DifferentialEquations* dde.

*Distributions* BMT, *BenfordTests*, *BivGeo*, *CircStats*, *Emcdf*, *LindleyPowerSeries*, *MBSF*, *MEPDF*, *TLMoments*, *bivgeom*, *circular*, *cpd*, *distTails*, *dqrng*, *empichar*,
fromo, gendist, gk, greybox, lcopula, llogistic, matrixNormal, matrixsampling, nCopula, pbv, probhat, qqid, qrandom, qrmtools, qrng, rutil, tmvmixnorm, vistributions.

Econometrics  PSTR, alpaca, apollo, bimets, estimatr, feisr, gravity, panelr, spatialreg.

ExtremeValue  in2extRemes, ptsuite.

Finance  DriftBurstHypothesis.

FunctionalData  SCBmeanfd, funLBM, splinetree.

HighPerformanceComputing  disk.frame, mvnfast, profvis.

MachineLearning  BDgraph, RGF, naivebayes, ssgraph.

MetaAnalysis  MOTE, MetaUtility, RobustRankAggreg, es.dif, estmeansd, metaRMST.

MissingData  ddsPLS, lori, mimi, primePCA.

ModelDeployment  cloudml, tfdeploy.

NumericalMathematics  mvp, rootSolve.


Optimization  FLSSS, ROI.plugin.neos, optimParallel.

Pharmacokinetics  PKNCA, PharmPow, caffsim, clinPK, microsamplingDesign, ncappc, pmxTools, xpose.

Psychometrics  DIFboost, DIFtree, GLMMRR, GPCMlasso, Gifi, LAM, PCMRS, PLMIX, STARTS, dexterMST, dina, iccbeta, lisrelToR, lsix, mirtjml, pcFactorStan, psychTools, qcv, rrum, simcdm.

Spatial  areal, mapedit, qualmap, rcosmo, spatialreg*, tidycensus, tigris, viridis.

SpatioTemporal  IDE.

TimeSeries  BVAR, DChaos, FinTS, IncDTW, LongMemoryTS, RJDemetra, Rlgt, biomass, bundesbank, bvartools, changepoint.np, ggdemetra, mssm, mvLSW, otsad, regspec, robcp, runstats, timeseriesdb, tsfeatures, tsibbledata, ttools, wavScalogram, wwntests.


(*) = core package

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